

ABSTRACT

An antenna (100) includes a core (101) formed with ferrite and an antenna copper plate (102) arranged on periphery of the core (101) so that the antenna copper
5 plate wraps nearly one around the core (101). A length L1 of the core (101)=a length L2 of the antenna copper plate (102), and a width W1 of the core (101)=a width W2 of the antenna copper plate (102). A height H1 of the core (101) and a height H2 of the antenna copper plate (102) are set
10 to be equal or one to be larger (or smaller) than the other according to a necessary receiving characteristic.